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(71)Applicant : MITSUBISHI MATERIALS CORP

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(54) SINGLE POWDER TYPE POLYMER CEMENT COMPOSITION FOR HALF DEFLECTIVE PAVEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To lessen drying shrinkage and to improve a fluidity, crack resistance and strength developability by incorporating cement, fine limestone powder, silica sand, reemulsifiable powder resin and powder additive into the compsn.

SOLUTION: This compsn. is obtd. by uniformly compounding 5 to 100 pts.wt. fine limestone powder, fly ashes or blast furnace slag having a Blaine's value of 1000 to 600cm²/g, 3 to 200 pts.wt. silica sand or limestone aggregate having a grain size of 0.01 to 1.0mm and 2 to 46 pts.wt. reemulsifiable powder resin consisting of a vinyl acetate resin or powder asphalt having an average grain size of 20 to 60μm as well as 0.1 to 10 pts.wt. water reducing agent 0.01 to 2 pts.wt. defoaming agent, 0.01 to 3.0 pts.wt. thickener and, if necessary, 0.01 to 5 pts.wt. slaked lime having a grain size of ≤0.1mm as the powder additives. with 100 pts.wt. cement.